

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\
 Data File : BF088205.D
 Acq On : 21 Jun 2016 8:01
 Operator : UM/SJ
 Sample : H3580-23
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 11:50:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

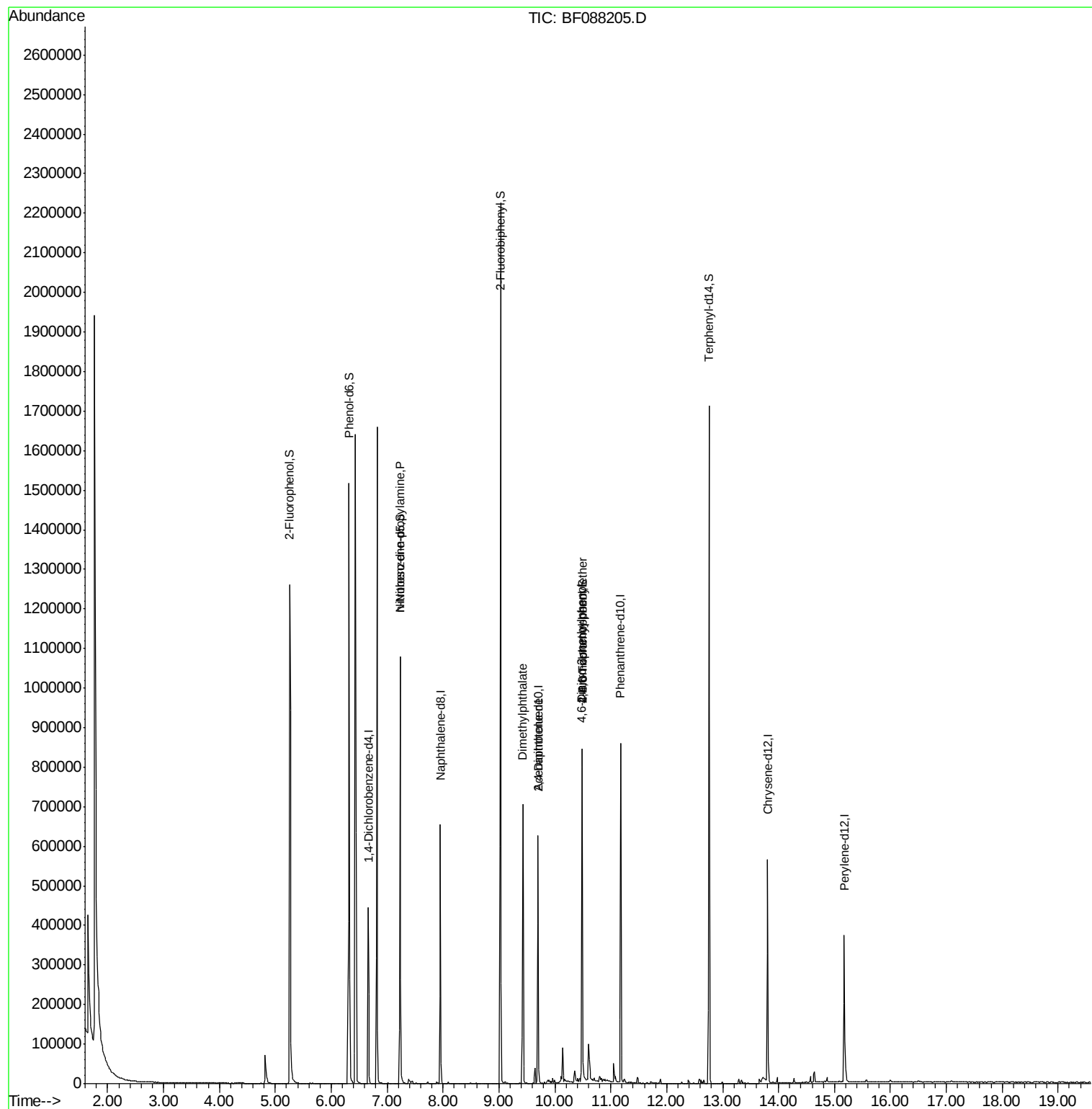
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	83830	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	339188	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	160626	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	303811	20.00	ng	0.00
75) Chrysene-d12	13.81	240	237728	20.00	ng	0.00
86) Perylene-d12	15.18	264	179179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	541723	110.47	ng	0.00
7) Phenol-d6	6.32	99	599419	100.86	ng	-0.01
23) Nitrobenzene-d5	7.23	82	371996	64.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	162193	95.63	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	735830	71.06	ng	-0.01
78) Terphenyl-d14	12.75	244	669060	64.04	ng	-0.01
Target Compounds						
10) Phenol	6.33	94	7347	Below Cal	#	39
19) n-Nitroso-di-n-propylamine	7.23	70	47555	12.51	ng	# 71
45) 1,1'-Biphenyl	9.03	154	1481	Below Cal	#	1
49) Dimethylphthalate	9.43	163	285924	24.57	ng	99
56) 2,4-Dinitrotoluene	9.70	165	19944	5.82	ng	# 36
57) Fluorene	10.48	166	7573	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.48	198	221	2.27	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	10127	3.11	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 20 17:39:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampleId :

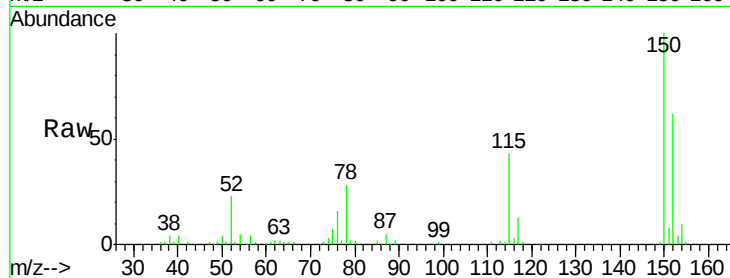
Tot Ion:152 Resp: 83830

Ion Ratio Lower Upper

152 100

150 162.5 123.8 185.6

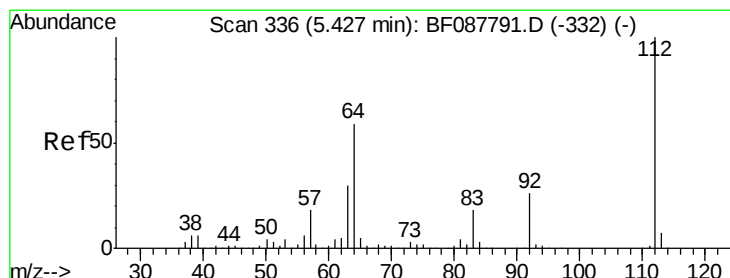
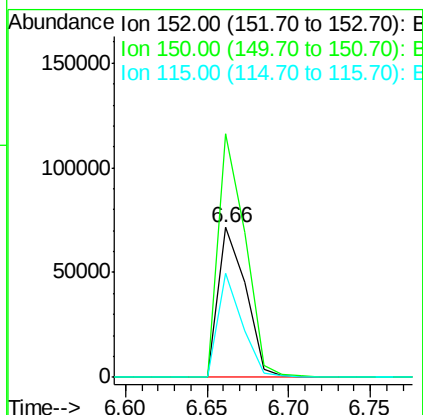
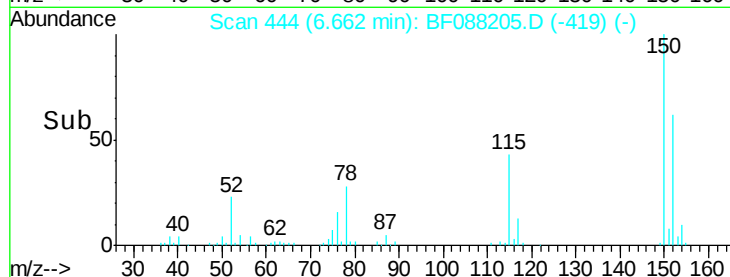
115 69.7 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 110.47 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.00 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

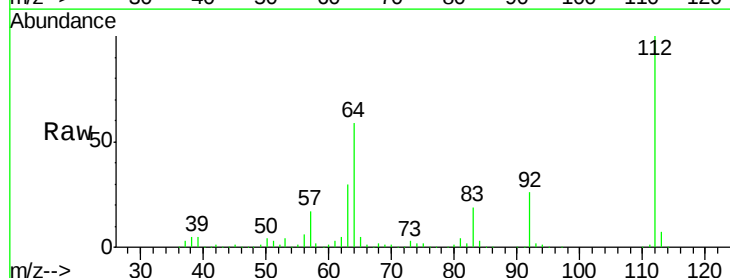
Tgt Ion:112 Resp: 541723

Ion Ratio Lower Upper

112 100

64 59.0 42.2 63.2

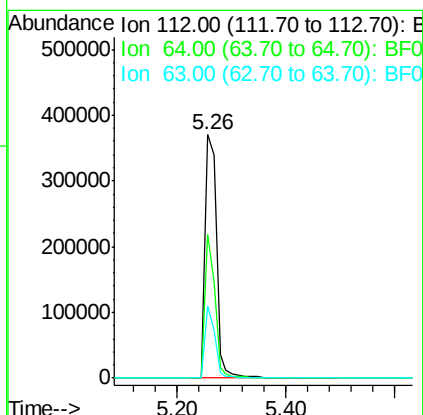
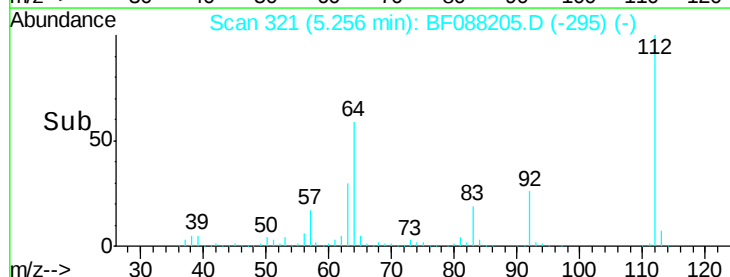
63 29.8 21.8 32.8

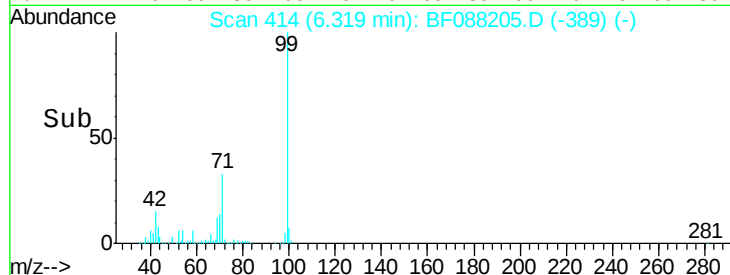
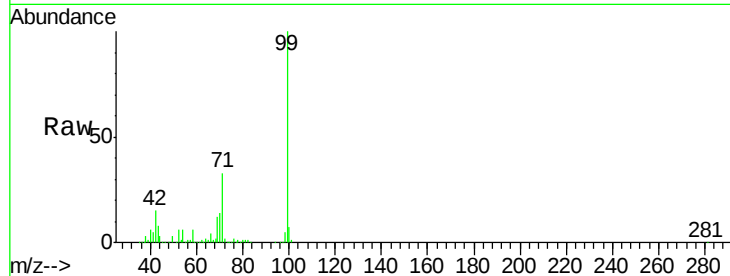


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.86 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampleId :

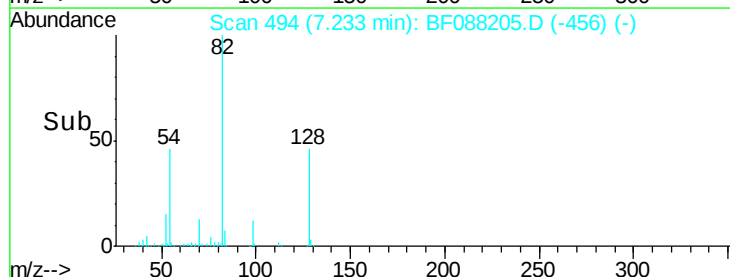
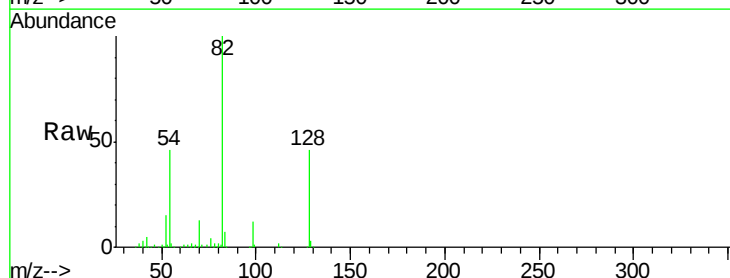
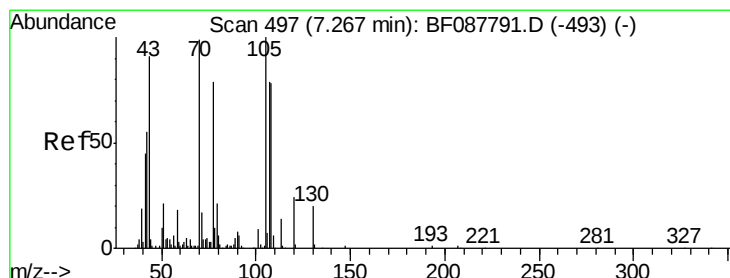
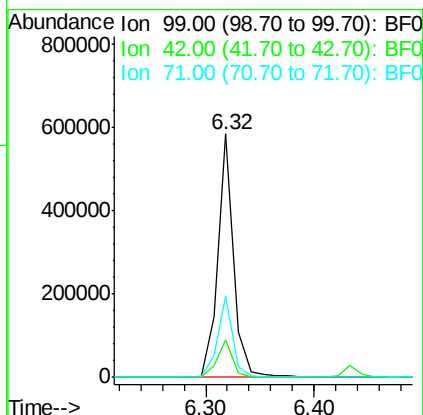
Tot Ion: 99 Resp: 599419

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

71 33.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.51 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.14 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Tgt Ion: 70 Resp: 47555

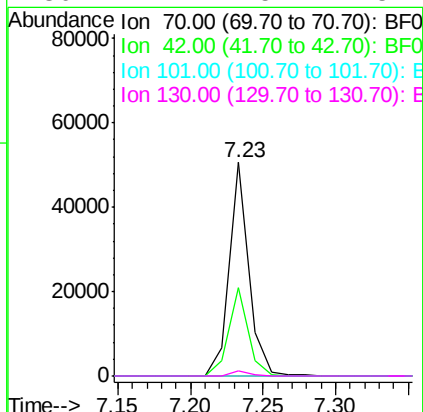
Ion Ratio Lower Upper

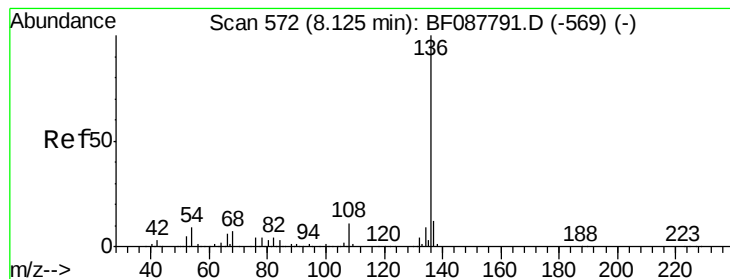
70 100

42 41.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.00 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 339188

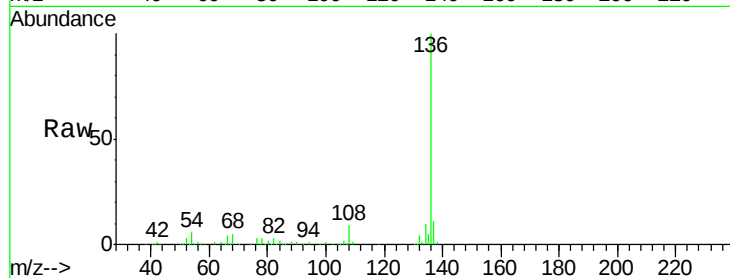
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 6.6 10.0#

68 5.0 5.1 7.7#

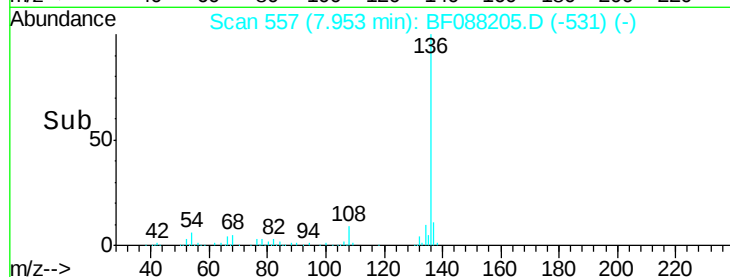


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Abundance

7.95

400000

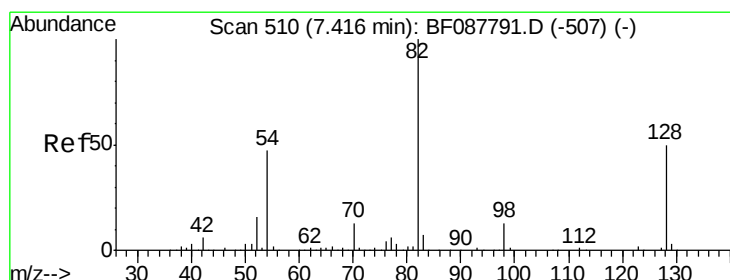
300000

200000

100000

0

Time-->



#23

Nitrobenzene-d5

Concen: 64.04 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

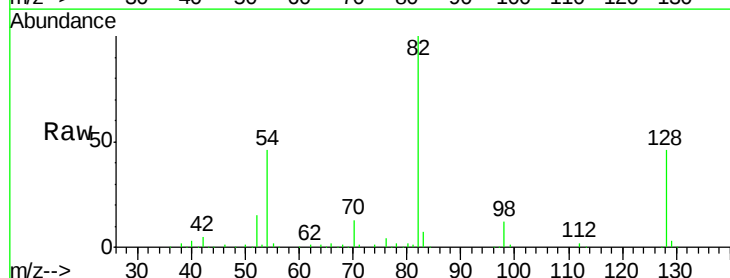
Tgt Ion: 82 Resp: 371996

Ion Ratio Lower Upper

82 100

128 46.3 35.9 53.9

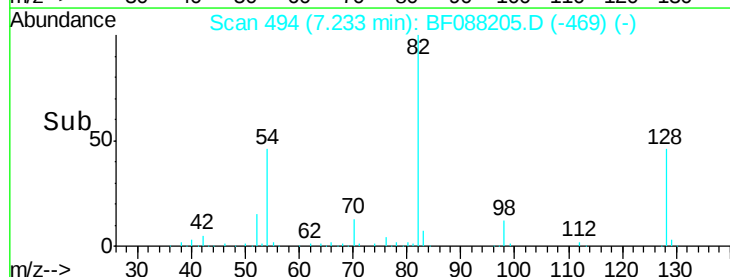
54 46.5 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Abundance

7.23

400000

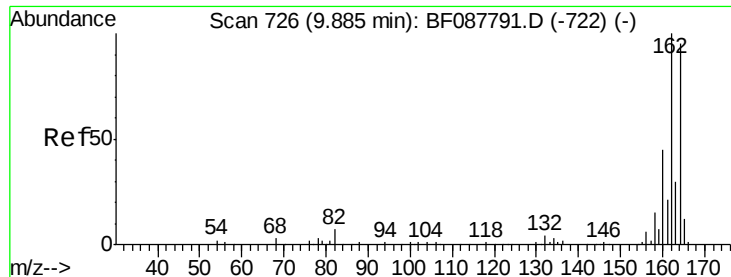
300000

200000

100000

0

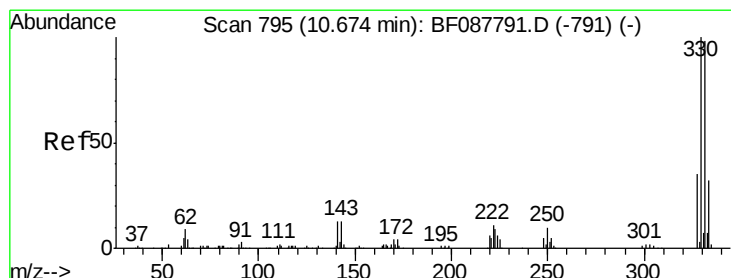
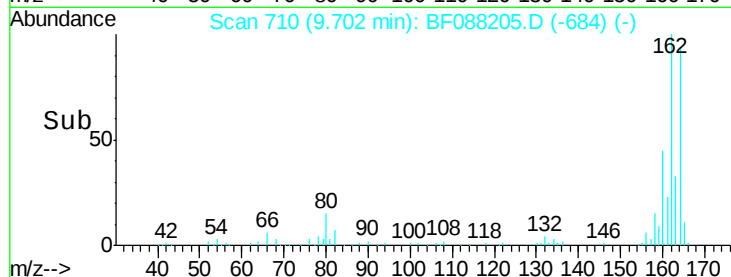
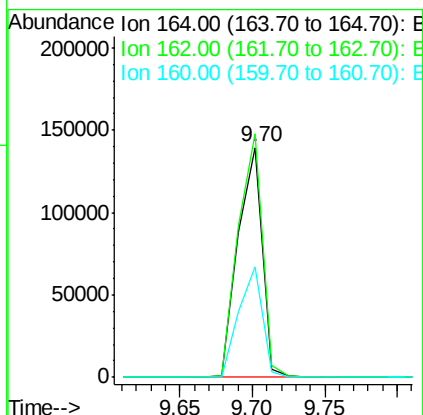
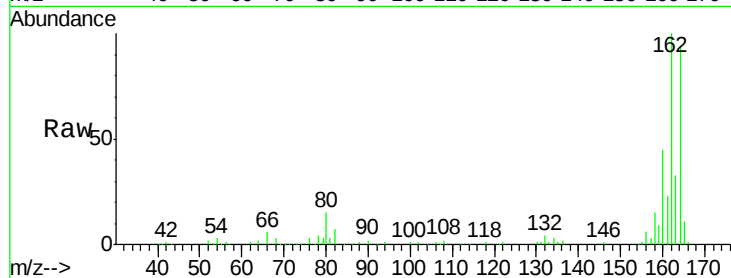
Time-->



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BF088205.D
 Acq: 21 Jun 2016 8:01

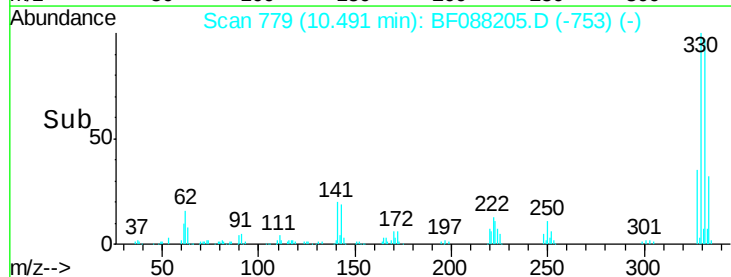
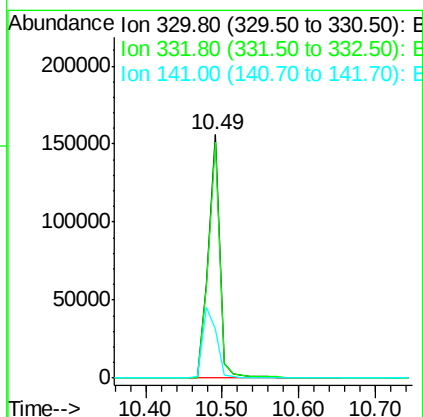
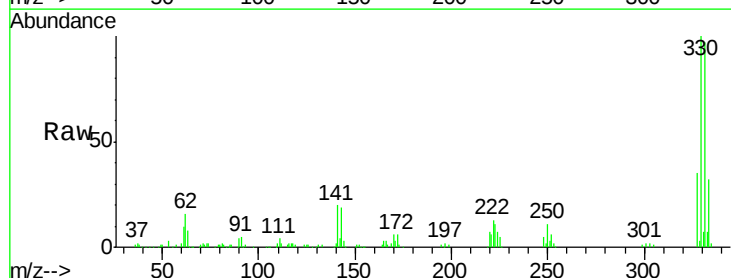
Instrument :
 BNA_F
 ClientSampleId :

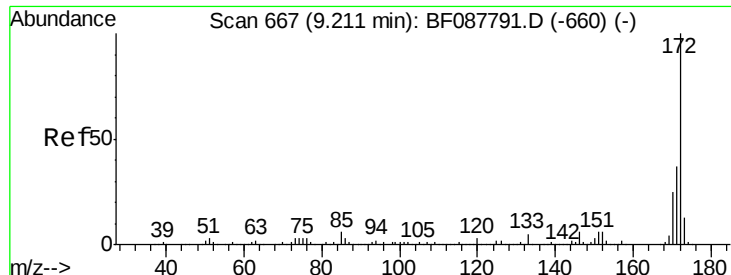
Tot Ion:164 Resp: 160626
 Ion Ratio Lower Upper
 164 100
 162 105.8 85.4 128.2
 160 48.0 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 95.63 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF088205.D
 Acq: 21 Jun 2016 8:01

Tgt Ion:330 Resp: 162193
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 34.8 0.0 0.0#

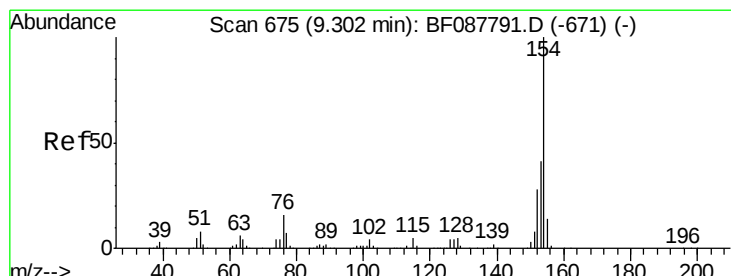
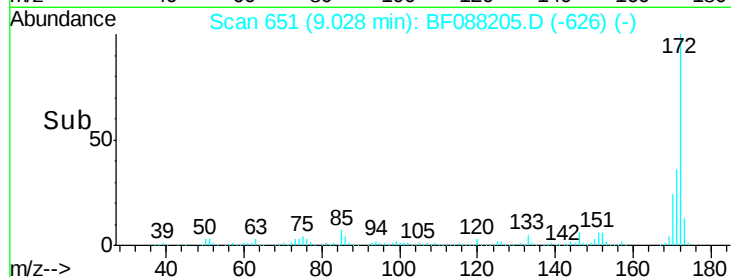
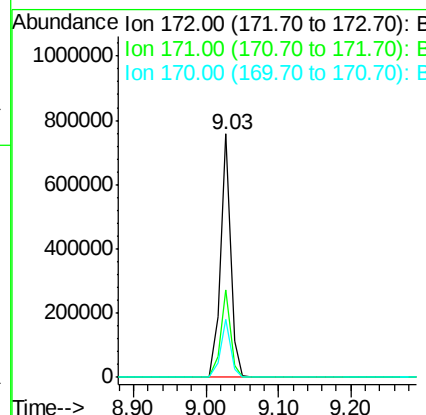
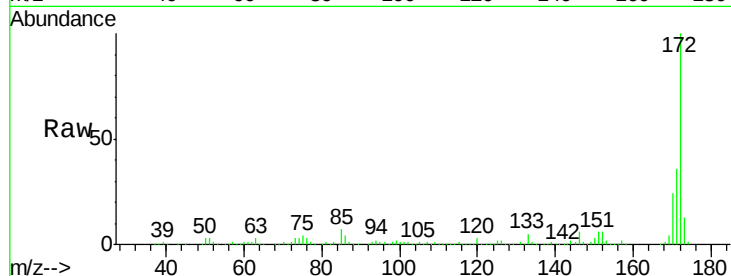




#44
 2-Fluorobiphenyl
 Concen: 71.06 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088205.D
 Acq: 21 Jun 2016 8:01

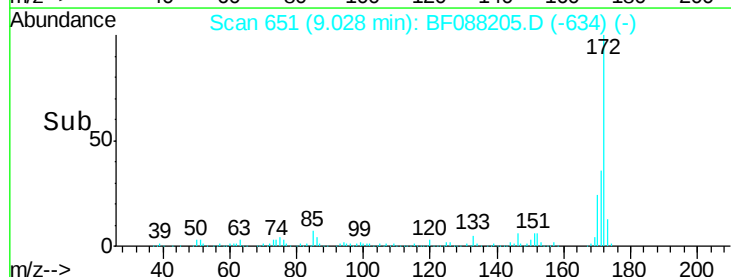
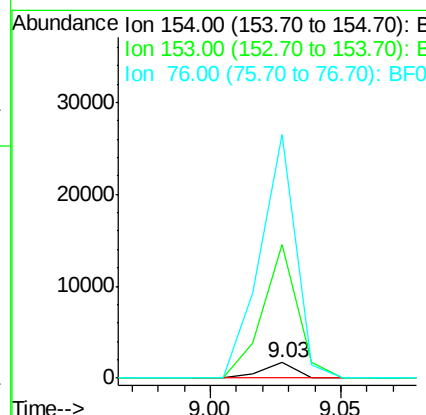
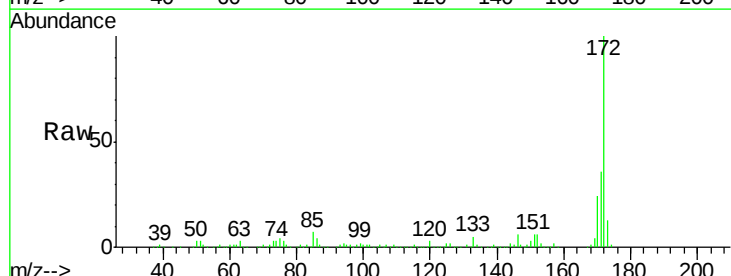
Instrument :
 BNA_F
 ClientSampleId :

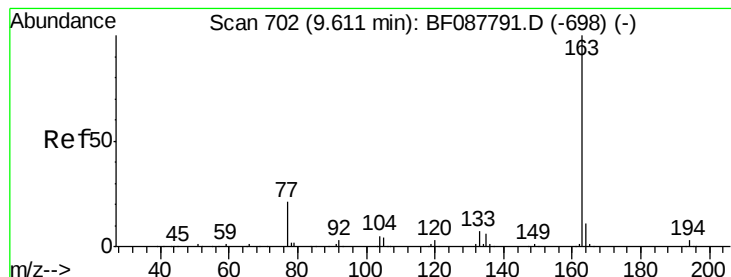
Tot Ion:172 Resp: 735830
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.9 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.03 min Scan# 651
 Delta R.T. -0.10 min
 Lab File: BF088205.D
 Acq: 21 Jun 2016 8:01

Tgt Ion:154 Resp: 1481
 Ion Ratio Lower Upper
 154 100
 153 863.1 20.6 60.6#
 76 1570.1 0.0 35.1#





#49

Dimethylphthalate

Concen: 24.57 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampleId :

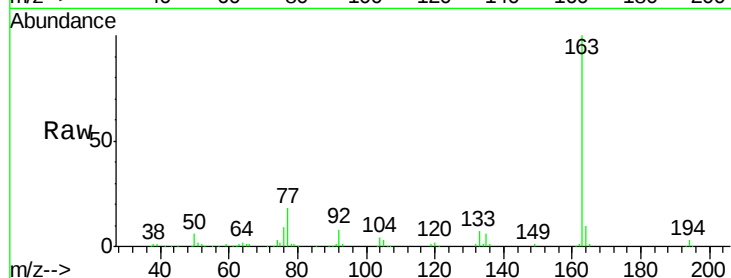
Tot Ion:163 Resp: 285924

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

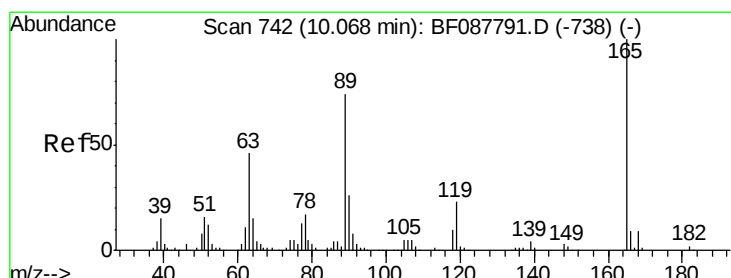
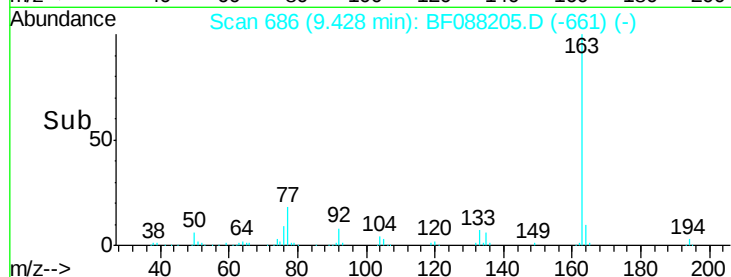
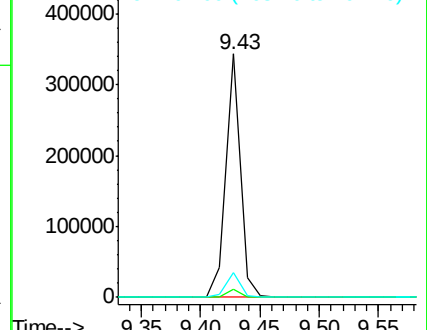
164 9.9 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.82 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Tgt Ion:165 Resp: 19944

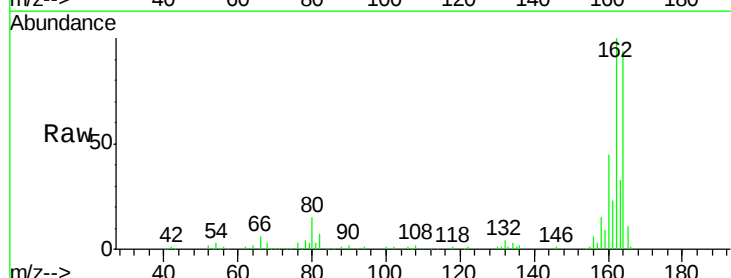
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

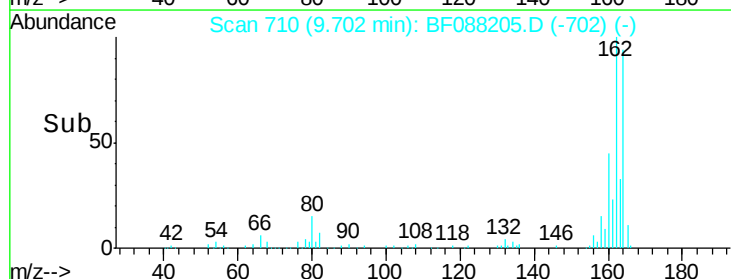
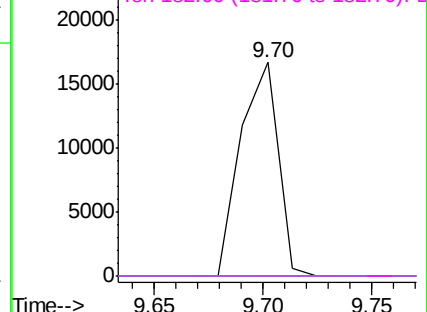


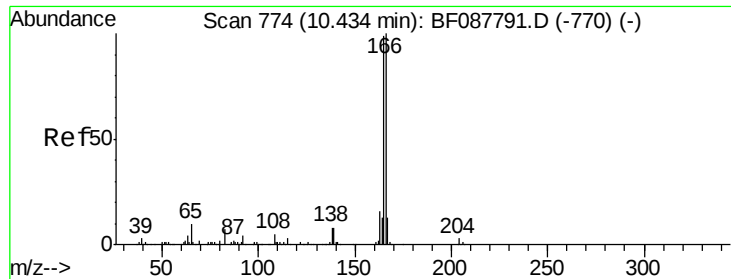
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 778

Delta R.T. 0.23 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampleId :

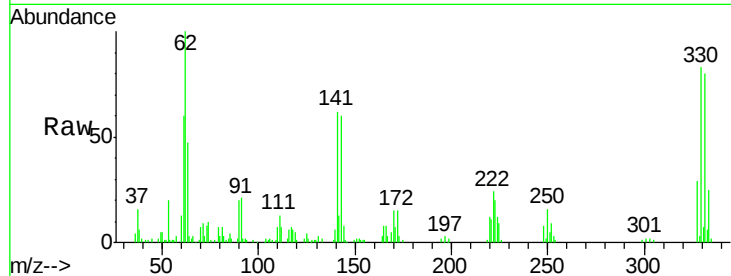
Tot Ion:166 Resp: 7573

Ion Ratio Lower Upper

166 100

165 100.5 77.8 116.8

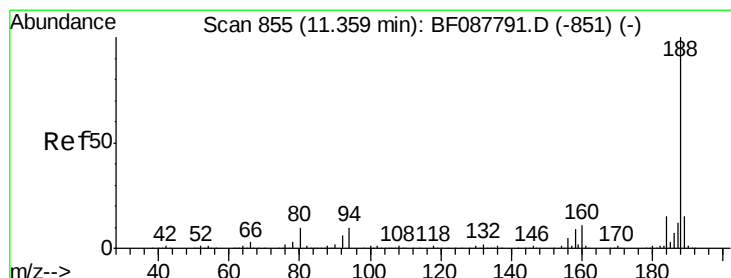
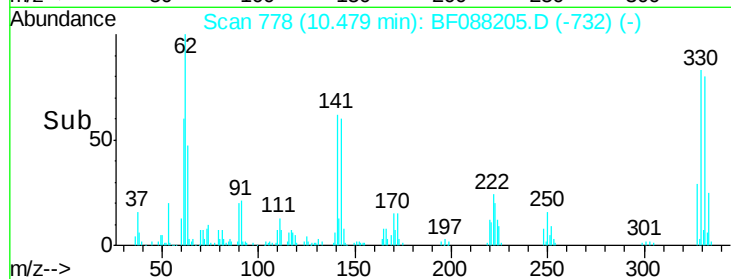
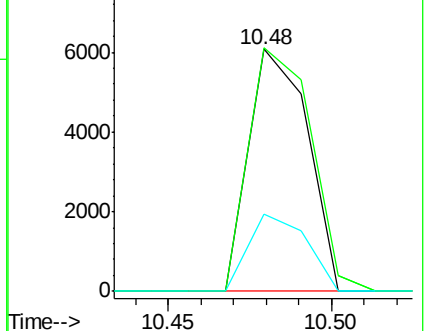
167 32.0 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

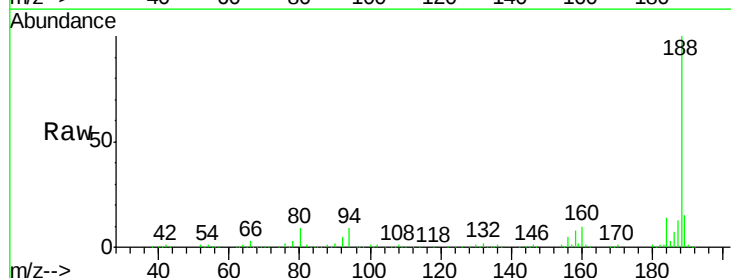
Tgt Ion:188 Resp: 303811

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.6#

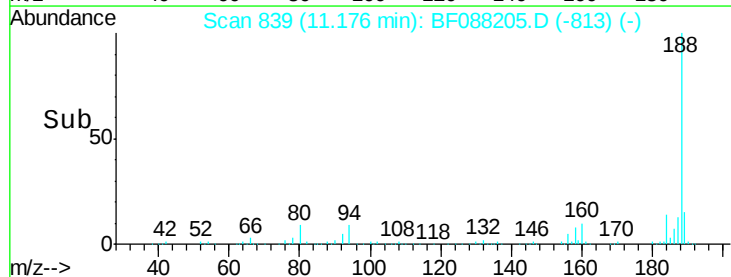
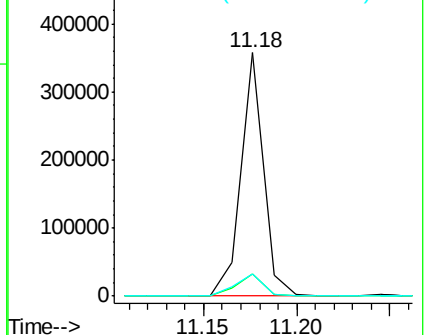
80 9.3 10.0 15.0#

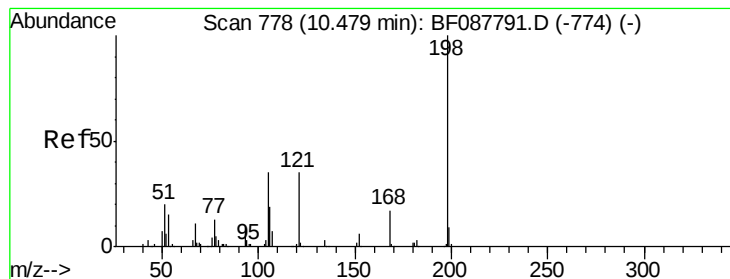


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.27 ng

RT: 10.48 min Scan# 778

Delta R.T. 0.16 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampled :

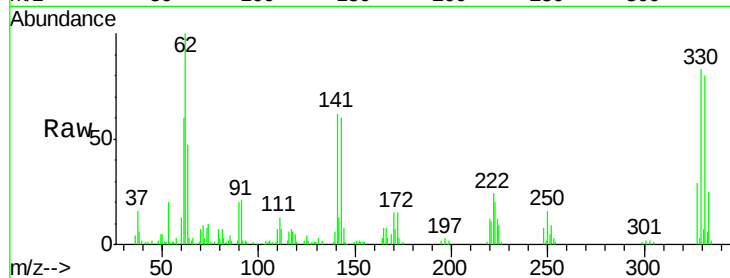
Tot Ion:198 Resp: 221

Ion Ratio Lower Upper

198 100

51 183.0 39.6 79.6#

105 178.0 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

800

600

400

200

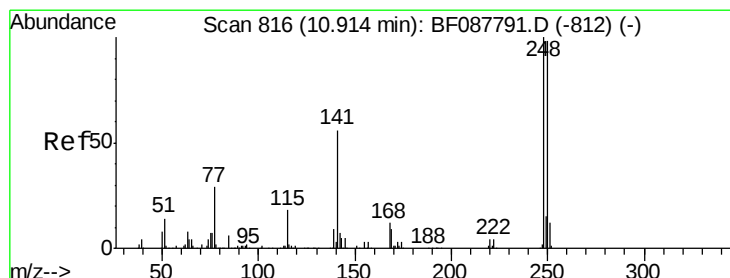
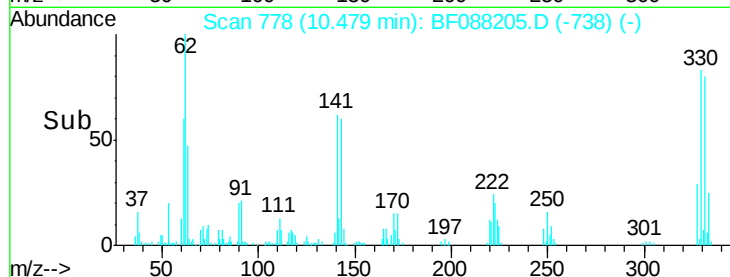
0

10.45

10.48

10.50

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.11 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.24 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

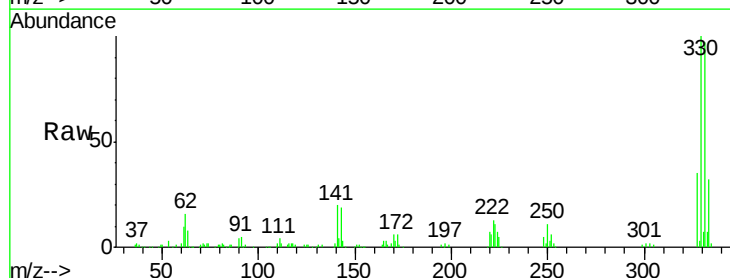
Tgt Ion:248 Resp: 10127

Ion Ratio Lower Upper

248 100

250 199.2 77.1 115.7#

141 362.6 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

60000

50000

40000

30000

20000

10000

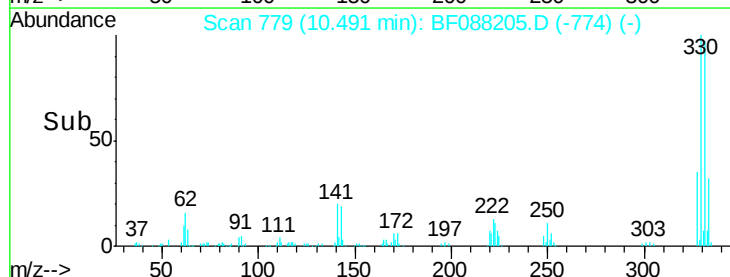
0

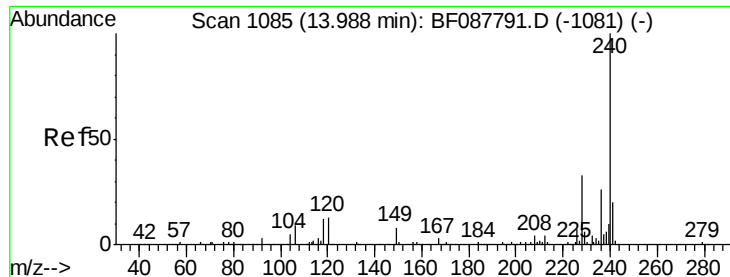
10.45

10.49

10.50

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

Instrument :

BNA_F

ClientSampleId :

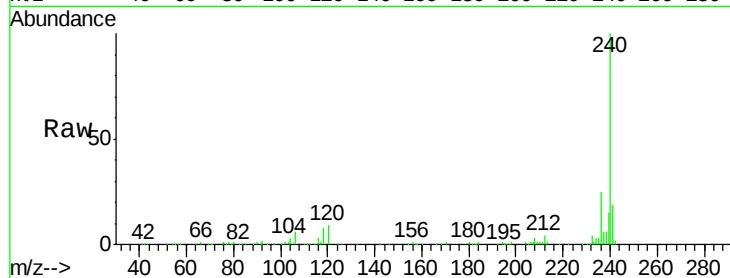
Tot Ion:240 Resp: 237728

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

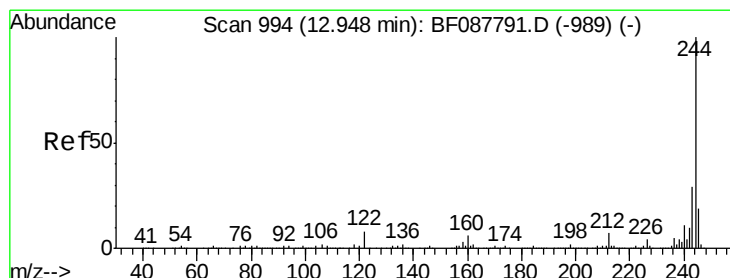
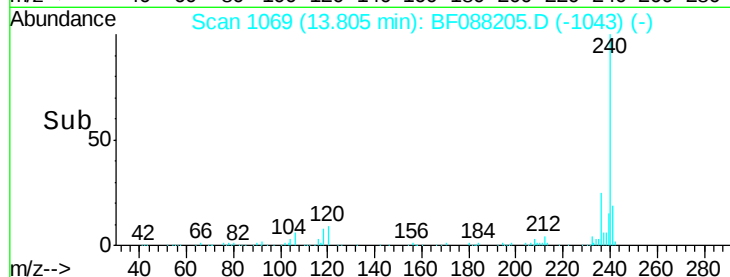
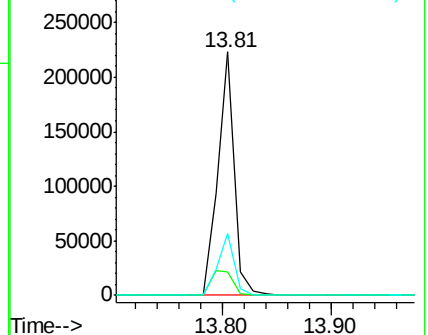
236 25.4 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 64.04 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088205.D

Acq: 21 Jun 2016 8:01

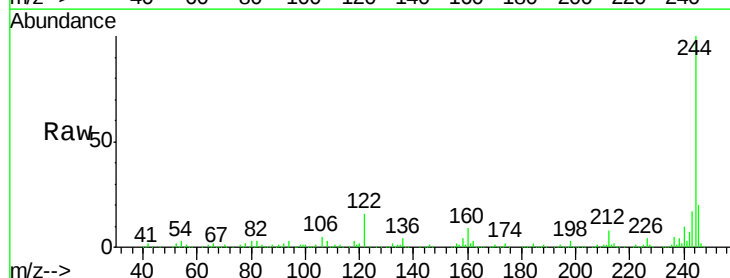
Tgt Ion:244 Resp: 669060

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

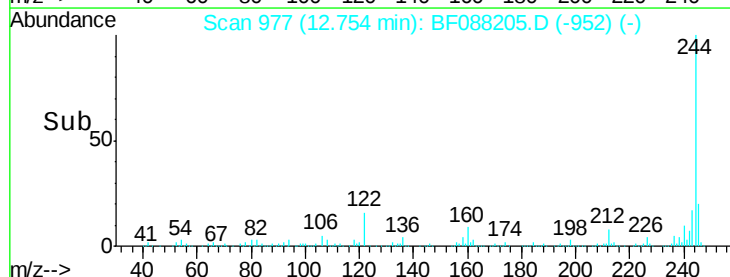
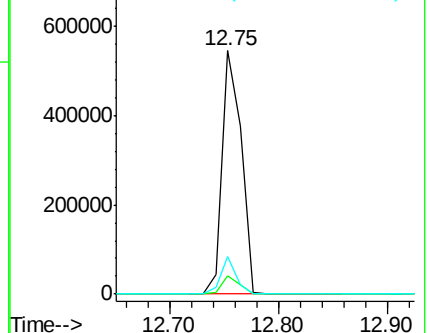
122 15.7 11.2 16.8

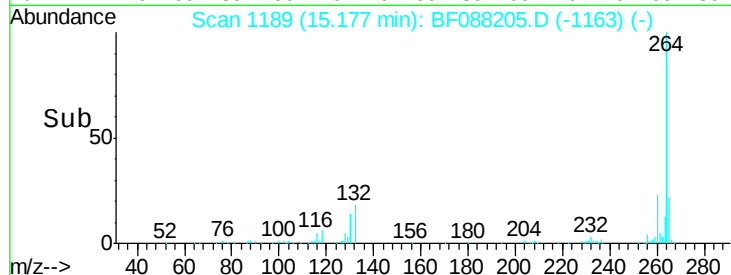
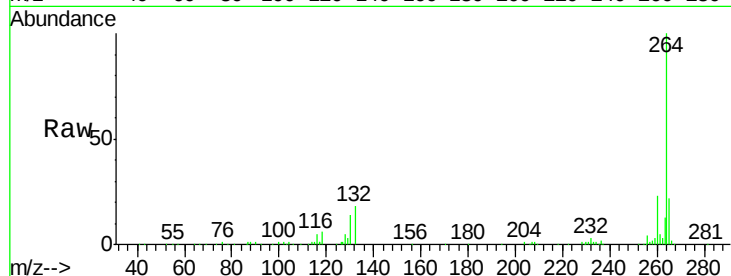
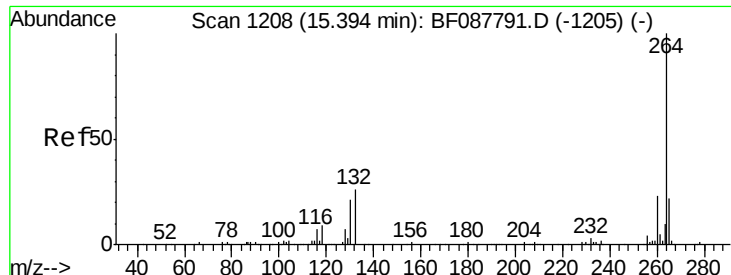


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF088205.D
Acq: 21 Jun 2016 8:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	179179
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	16.9	25.3

